"Knowledge m	anagement :	
An internation		
"Knowledge managen stake in the future"	nent: A foundation for	· WANO; a
Jacques Regaldo, Chai	rman of WANO	

₩WANO

Summary of Presentation

- 1. WANO: Mission & Programmes
- 2. WANO Training
- 3. WANO Young Generation knowledge management
- 4. Conclusion



WANO Mission

The foundation and existence of WANO is the transmission & circulation of every Nuclear Operator knowledge and operating experience to increase the level of nuclear safety worldwide

It is necessary to have high level & skilled operators to operate safely

It is necessary to have high level & skilled reviewers to perform efficient & credible reviews





WANO Programmes 1. Peer Reviews Station, Pre Start-up, Corporate, Long term Shutdown & restart 2. Operating Experience Significant Event & Operating Experience Reports, CEO update... 3. Technical Support and Exchange Technical Support Missions, Performance Indicators, Guidelines, ... 4. Professional and Technical Development Programme Biennial General Meetings (BGM), Site Vice President (SVP) Conference, Small Group CEO Meetings, ...



₩ WANO
Peer Review Programme
☐ Station Peer Review
Six-year frequency by full team to assess performance
☐ Pre-startup Peer Review
 Conducted prior to start-up to assess readiness for safe and reliable operation from the first core loading onward.
☐ Corporate Peer Review
 As requested, but target is one per region per year to assess effectiveness of corporate support
Long-term shut-down review
☐ Restart review

Operating Experience (OE) Importance of sharing experience between operators. WANO Members provided 1292 OE reports in 2011. Since 2000, WANO database comprises more than 8000 event reports.

Significant Operating Experience Reports (SOER)

WANO issued 18 SOER (including 4 after Fukushima) describing significant events or trends, including recommendations requiring WANO members to identify and Implement appropriate corrective actions.



These recommendations are to become compulsory. If implemented, more than 60% of the events worldwide would have been avoided.

WANO

Technical Support Exchange (TSM)

TSM: Missions carried out at the request of the plant to assist each other. A team of peers is selected on the basis of their expertise in a specific area.

Performance Indicators: Method for members to assess the performance of their plants. (international benchmark)

Guidelines & Good practices: help members to achieve high standards of performance & safety made on proven practices at other stations.

Operator Exchange : any information exchanged between operators to increase the safety and reliability.

Professional & Technical Dayslanmont
Professional & Technical Development Biennial General Meetings (BGM)
Site Vice President and Plant Manager Conferences
Site vice rresident and right Manager Comerences
Small Group CEO meetings
Summary of Presentation
WANO : Mission & Programmes WANO Training
 WANO Young Generation knowledge management Conclusion
4. Conclusion
₩WANO
WANO Resources
In 1989 : 120 staff (<0,3 / unit) In 2010, after Delhi : 150 staff (0,35 / unit)
In 2014 / 2015 : >400 staff (0,85 / unit)
In parallel: increase of <u>quality</u> of reviewers & team leaders

WANO

Knowledge Development

One way to prevent accidents is to help staff increase their skills and knowledge so they can deal with potential safety issues.

WANO members have access to workshops, conferences, seminars, expert meetings and training courses to hone their skills and deepen their knowledge (operations, maintenance, engineering & upon request).

WANO

WANO Seminars & Training Sessions

2012	Atlanta	Moscow		Paris	Tokyo	Total
Fechnical & Safety related meetings	5 seminars 5 days	10 seminars days	34	8 seminars 28 days	2 seminars 4 days	
Severe Accident Management, Emergency Preparedness, Crisis Organisation		4 seminars days	5	1 seminar 3 days		
informative meetings	1 seminar 2 days	2 seminars days	5	2 seminar 6 days	1 seminar 2 days	
DE Feedback	1 seminar 2 days	2 seminars days	9	3 seminars 12 days	1 seminar 2 days	
Reviewers training process		1 seminar days	3		3 seminars 12 days	
Management training	2 seminars 10 days	1 seminar days	5	2 seminars 10 days		
Fotal Prof. &Tech. Development (man days)	837	1816		1980	436	5069
186 Technical Support Missions	51 (only non US stations)	37		71	27	
21 Benchmark visits		15		2	4	
Total TSM [man days]	559	633		999	421	2612
Overall total [man days]	1396	2449		2979	857	7681

In 2012, WANO performed 7681 man days of training including 186 TSMs (TSMs to the 65 US stations are performed and tracked by INPO)

WANO

Summary of Presentation

- 1. WANO: Mission & Programmes
- 2. WANO Training
- 3. WANO Young Generation knowledge management
- 4. Conclusion

WANO
Young Generation / Talents
■ WANO is increasing its involvement with the young generation
☐ The Managing Director spoke at the International Youth Nuclear Congress 2012 in Charlotte, North Carolina
■ WANO is actively encouraging its members to bring high potential young generation participants to its flagship conference: BGM in Moscow (May 20-22)
☐ The President of the "International Youth Nuclear Congress" will speak at the next Biennial General Meeting to present the knowledge transfer from the perspective of the young generation
Benefation
M WANO
Summary of Presentation
1. WANO: Mission & Programmes
2. WANO Training
3. WANO Young Generation knowledge management
4. Conclusion
∰ WANO
Conclusion
 Exchange & transfer of knowledge and information between members is the very essence of WANO
☐ However, WANO has to:
 increase and expand the scope of training (technical, safety behavior, management & leadership skills)
 improve the internal training of its own reviewers welcome the young generation and identify future talent
■ WANO should be a privileged path to promote future talent.